ABSTRACT OF THE DISCLOSURE

The invention provides a solution mixing method by moving relatively at least one DNA array to which probes are fixed to a moving plate with a solution entertained therebetween, while the solution contains a substance of interest which is intended to react with the probes. Such a method can be implemented by an apparatus including a substrate holding plate with at least on substrate and a moving plate (moving along a straight line or revolving), an apparatus including a spinning compartment for spinning about a central axis and a holding plate for holding probes on its surface when being spun along the spinning compartment.